

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: November 2, 2005

Inspector: Diana Walden

Location: 345kV Underground Route

Storm/

Rain Event: Only a trace of rain was reported since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	<ul style="list-style-type: none"> - Trenching, pipe installation, and sawcutting operations continue in several locations along Rt. 7 in Wilton during the night including near Allens Meadow. 10/27-11/2/05 - Trenching and pipe installation, continued during the day along Umpawaug Road which is closed to through traffic. 10/5-11/2/05 - Trenching had occurred across a culvert near Parsons Lane. 11/2/05 -The jack and bore near Allens Meadows Park is complete with both pits backfilled to grade. 11/2/05 - The Horizontal Direction Drill at School Rd. is still in good shape and a second attempt at the bore was about to begin. 11/2/05 - Vault work continued in the Rt. 107/7 intersection island. 11/2/05 - A new jack and bore operation has started for a stream crossing near the 	<ul style="list-style-type: none"> -More of the work noted is just off the roadway edge and seems contained for the most part but there are a few issues that require attention. Continue to provide attention to any off- road areas that need restoration. Continue providing good "house-keeping" along the roadways. 11/2/05 -See additional sections. - Restoration measures were moving in this direction- see additional sections for more detail. 11/2/05 -See additional sections for more details. 11/2/05 - See erosion control section for more details. 11/2/05 - See additional sections for more details. 11/2/05

Areas of Inspection	Observation	Recommended Action
	Georgetown Deli. 11/2/05	
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Reseeding/restoration was noted in a number of areas and it is scheduled to continue south on Rt. 7. 11/2/05	- Continue to restore disturbed areas in the appropriate time frame as per the D&M plan. 11/2/05

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (continued)</p> <p>Route 7</p>	<ul style="list-style-type: none"> - Attempt to control all catch basins as well as outlet points off the road when work is in the vicinity. Haybales were observed in some catch basins at the time of inspection. 11/2/05 - Silt fence was removed near Olmstead Hill Rd. as work has passed and restoration efforts were being made in a number of areas along rt. 7. 11/2/05 -Both pits at the jack and bore have been backfilled and brought to grade. The settling basin no longer contains standing water but there is a lot of dried sediment. 11/2/05 -The silt fence on the northern side of the stream was well in place, the area was graded and the neighbor's driveway was repaved. 11/2/05 -Sediment accumulation was noted in the stream at the outlet and near the bridge culvert and this will need to be removed now that work is done. 10/27-11/2/05 - At the HDD, the low detention area with the stone berm and haybales at the perimeter was working well. Controls beyond the basin could use some maintenance, one spot in particular had a small gap under the silt fence. 11/2/05 - A portion of the site where brush clearing, disturbance and stone piling occurred to the east needed to be encompassed in more silt 	<ul style="list-style-type: none"> - Make sure that haybales are placed in the catch basins during the nightwork and continue to maintain them. Filter fabric is also an accepted measure if haybales are difficult to maintain. 11/2/05 -None at this time. Continue to perform restoration in appropriate time limits. 11/2/05 -The town will be using the basin for a sewer project so it will remain in place but it is strongly recommended that they clean it out and overhaul it before use. 11/2/05 - The area should be mulched & seeded or hydroseeded as soon as practicable. 11/2/05 -The least impacting way to remove the sediment is likely by hand/shovel. It should be done carefully and with the instream controls in place. 11/2/05 -Continuing to repair all erosion control lines, will provide additional barriers to sediment. Toe in the noted area. 10/27-11/2/05 - Extend the silt fence to enclose this piece. 10/19-11/2/05

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (continued)</p> <p>Rt. 107 Daywork</p> <p>Umpawaug Rd.</p>		<p>- Install haybales or filter fabric in this location as there was bare, disturbed soil noted here. 10/27-11/2/05</p> <p>- None at this time since this is not a result of the project. 11/2/05</p> <p>- Erosion controls were still being placed around the backside of the stockpile. The Norwalk river is immediately down gradient here so fence should be toed in well. 11/2/05</p> <p>- The spot will be toed in with clean sand since a large rock here prevents good coverage. 11/2/05</p> <p>- Erosion controls should be installed here due to the disturbed soil. 11/2/05</p> <p>-Turbid water should not be released to catch basins or to resource areas regardless of the duration of time it occurs for or the lack of a vac truck that day. 11/2/05</p> <p>- Haybales were placed along the swale at the time of the discovery but still were not able to filter out the fine sediment effectively. The water started to clear when the dewatering ceased. 11/2/05</p>

Areas of Inspection	Observation	Recommended Action
	<p>-A culvert had been trenched across near Parsons Lane and the pipe here had very clear water. It was the upgradient catch basin outlet that caused the turbidity issues. 11/2/05</p> <p>- The wet swale here has haybales in place but some materials/trench covers were left behind in it. 11/2/05</p> <p>- A large bare soil sloped area was noted along the shoulder of the roadway near a stream. Erosion controls are well in place but it is unclear whether this is associated with the 345kV work. 11/2/05</p> <p>- Work near the Diamond Hill Rd. end of Umpawaug Rd. had some small stockpiles/bare soil without controls. Other areas were being restored. 11/2/05</p>	<p>-Restore the area with grading (including the original channel) seed and mulch when work is done here. 10/27/05</p> <p>- The wet swale also need to be restored/reshaped due to some ruts created by the equipment movement. 11/2/05</p> <p>- The bare soil sold be stabilized as soon as possible if this work is part of the 345kV. 11/2/05</p> <p>- The stockpile noted should be placed with controls. 11/2/05</p>
Adjacent Wetlands and Waterways	<p>-At the jack and bore near Allens Meadow Park, the stream has some remaining. accumulated sediment. 10/27-11/2/05</p> <p>-The pond near Parsons Lane-Umpawaug Rd. became turbid as a result of the dewatering from the trench to the catch basin which outlets near here. 11/2/05</p> <p>- The culvert here was crossed by the trench without incident. 11/2/05</p>	<p>- Hand shoveling is likely the best solution but very careful vac truck use may be an option depending on the amount of sediment. 10/27-11/2/05</p> <p>-Haybales were installed somewhat after the fact but they could not filter out all the fine sediment. It appears this outlet deposits road sand here on a regular basis but this event was project related. 11/2/05</p>
Staging, Storage, and Parking Areas	<p>- The silt fence at the equipment storage yard located on property south of the Rt. 7 &107 intersection is down in some of the areas closest to the road due to landowner activities. 10/27-11/2/05</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind or out overnight. 11/2/05</p>

Areas of Inspection	Observation	Recommended Action
	<p>-Additional silt fence is required at the School Rd. HDD area along the eastern side to encompass the disturbed area and brush piles with an additional barrier. 10/19-11/2/05</p> <p>- The racquet club storage yard is very active with a lot of materials. Make sure inlets here are protected.</p> <p>-Additional silt fence was placed at the small storage area at the Umpawaug Rd/Rt 107 intersection but they could use some repair as stockpiles are present here. 11/2/05</p>	<p>-Install the additional fence as soon as possible. 10/27-11/2/05</p> <p>- Keep within the limits of the yard and don't encroach into the brush. 10/27-11/2/05</p> <p>- Continue to maintain fence here and restore ruts caused by equipment just down gradient from here. 11/2/05</p>
Soils	<p>- Most soils along the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. However, any soils from the work in Redding which meet the RSR levels are being used in the landfill as daily cover.</p> <p>- Small piles were left along the edge of Rt. 7 since the trenching is off the road. 11/2/05</p> <p>- Backfill soils are allowed to be stored along Umpawaug Rd. but only for the day. 10/5-11/2/05</p> <p>- Small stockpiles were noted closer to the Diamond Hill end and need controls.10/27-11/2/05</p>	<p>- Soils appear to be handled appropriately. 11/2/05</p> <p>- None at this time. Plastic was placed over one and the other was to be removed that night. 11/2/05</p> <p>- If piles are stored longer, silt fence must be installed. 10/5-11/2/05</p>
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Restoration was noted in a number of locations along Rt. 7 and Umpawaug Rd. The crews were moving south along Rt. 7. and the jack and bore area should be attended as soon as practicable.	- Attend to disturbed areas in the appropriate time frames. 11/2/05

Areas of Inspection	Observation	Recommended Action
	11/2/05	
Dewatering	<p>-Several frac tanks were set up in the Georgetown Deli parking lot in order to hold the water from the jack and bore pits here. 11/2/05</p> <p>- The incident described on Umpawaug Rd. was the result of not having a frac truck to dewater to that day although this is the usual method. 11/2/05</p> <p>-The high school jack and bore is complete and the basin is dry with a lot of accumulated sediment. 11/2/05</p>	<p>- It should be examined whether the clean water can be returned to the stream to avoid stress to the watershed. 11/2/05</p> <p>- Never dewater where the flow could reach open catch basins or resource areas. 11/2/05</p> <p>-The basin will be used for a town sewer project but should be completed cleaned out first. 11/2/05</p>
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. Material storage issues were not noted at this inspection. 11/2/05	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</p> <p>- Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Thursday, November 10, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate

and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden



345kV (Umpawaug Rd Daywork): The photo on the left shows a stockpile left near the Diamond Hill Rd. end where some work has begun. Silt fence should be placed downgradient here. The photo on the right shows some ruts on the edge of the road near the Rt. 107 intersection. 11/2/05



Photo on the left shows where haybales were placed after turbid water was observed running from an open trench. Photo on the right shows the water not being very effectively filtered by the haybales and leading to a catch basin. 11/2/05



Photos show the pond near Parsons Lane as the receiving water for the turbid outfall of the catch basin. The water coming in from the corrugated pipe was completely clear but the turbid flow on the right hand side was apparently from the CB outlet. Haybales were placed following the discovery but did not have much effect. 11/2/05



View of some widening work along Umpawaug Rd but it was uncertain whether the work is related to 345kV. Work was over a stream but erosion controls were well in place. 11/2/05



345kV (Route 107- Georgetown Jack and Bore): Photo on the left shows the overall view of the jacking pit constructed at the Georgetown Deli lot. Photo on the left shows the erosion controls in place. A small gap under the fence will be placed with clean sand to toe in the fence. 11/2/05



Photo on the left shows one of the several frac tanks that will be handling the dewatering discharge here. Photo on the right shows the area on the other side of the stream where the receiving pit will go. Some soil sampling here created an area of bare soil which should have erosion controls installed. 11/2/05



345kV (Rt. 7, CL&P yard): Some prep work was occurring at the CL&P yard with erosion controls installed, topsoil removed and stockpiled and stone placed. Erosion control installation was continuing at the time of inspection and still needed to enclose the back of the stockpile. 11/2/05



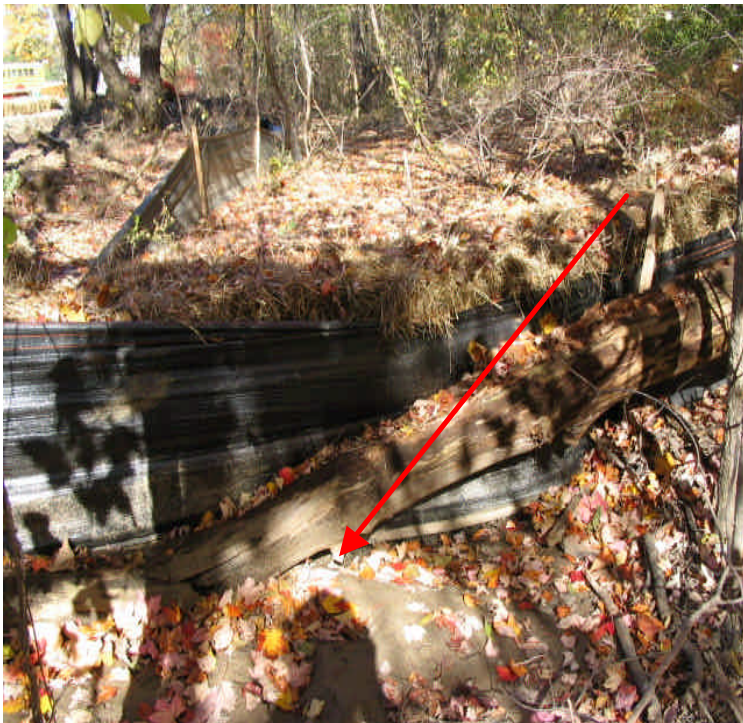
345kV (Rt. 7): Photo on the left shows some areas along the roadway where restoration had occurred. Photo on the right shows where work ended for the night just off the roadway near Allen's Meadow. 11/2/05



345kV (Wilton HS J&B): Photo on the left shows the north side of the stream where the receiving pit was filled and regraded. Photo on the right shows where a neighbor's driveway was repaved following the trenching here. 11/2/05



Photo on the left shows the settling basin no longer in use for the 345kV project and filled with sediment. The town will be using this for a sewer project but should clean out/revamp the entire basin before use. Photo on the right shows where some accumulated sediment should be removed from the stream. 11/2/05



345kV (HDD): Photo on the left shows where the outer erosion controls could use some maintenance. A small gap was noted under the silt fence. Photo on the right shows where the accumulated sediment was removed carefully from the Norwalk River channel. 11/2/05



Photo on the left shows the detention area with some standing water. The perimeter berm is in good shape and the basin works well. Photo on the right shows the area to the east of the site where additional controls should be installed. 11/2/05